Amendments To the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A digital equipment system comprising:

a. a host for sending commands to read or write files having sectors of information, each

sector having and being modifyable on a bit-by-bit, byte-by-byte or word-by-word basis,

said host being operative to receive responses to said commands;

b. a controller device responsive to said commands, and including,

one-time-programmable nonvolatile memory for storing information organized into

sectors, based on commands received from the host and upon receiving commands from the

host to re-write a sector, the controller device for re-writing said sector only on a bit-by-bit,

byte-by-byte or word-for-word basis and only as to those locations in the sector that have

been modified.

Claim 2 (original): A digital equipment system as recited in claim 1 wherein said one-time-

programmable nonvolatile memory includes a system area and a data area, said system area for

storing information pertaining to the organization of the information stored or to be stored in the

data area.

Claim 3 (original): A digital equipment system as recited in claim 2 wherein said sytem area

includes storage areas for including Original Engineering Manufacturer (OEM)

identification/Bidirectional Input/Output System (BIOS), a File Allocation Table (FAT) 1, a

FAT 2 and root disk directory information.

1   Claim 4 (original): A digital equipment system as recited in claim 1 wherein said controller

2   device further includes a first buffer for storing a host-provided sector and a second buffer for

3   storing sectors stored or to be stored in the one-time-programmable nonvolatile memory.

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1   Claim 5 (original): A digital equipment system as recited in claim 4 further including a

2   comparator coupled between said first and second buffer for comparing a sector to be modified

3   or accessed by the host with those sectors to which information has been previously written.

1   Claim 6 (original): A digital equipment system as recited in claim 1 wherein during power-up,

2   said controller device for identifying the end-of-file, wherein the location following the location

3   in which the end-of-file resides is identified as the location for the start-of-file of a new file to be

4   stored.

1   Claim 7(original): A digital equipment system as recited in claim 6 wherein said end-of-file is

2   identified by the use of a flag.

1   Claim 8(original): A digital equipment system as recited in claim 1 wherein said files are digital

2   photographs.

1   Claim 9(original):A digital equipment system as recited in claim 1 wherein said files are

2   archives.

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1   Claim 10(original): A digital equipment system as recited in claim 1 wherein said controller

2   device maintains a correlation between logical addresses and physical addresses for translating

3   host-provided addresses to addresses recognized by the one-time-programmable nonvolatile

4   memory.

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1 Claim 11(original): A digital equipment system as recited in claim 10 wherein said controller

2 for maintaining track of defective locations within the one-time-programmable nonvolatile

3 memory.

1 Claim 12(currently amended): A digital equipment system comprising:

2   a. a host for sending commands to read or write files having sectors of information, said host

3   being operative to receive responses to said commands;

4   b. a controller device responsive to said commands, and including,

5   one-time-programmable nonvolatile memory having a spare area, said one-time-

6 programmable nonvolatile memory for storing information organized into sectors, based on

7 commands received from the host, and upon commands from the host to re-write a sector, [said

8 one-time-programmable nonvolatile memory including a spare area,] said controller for mapping

9 sectors being re-written to the spare area.

1 Claim 13 (original): A digital equipment system as recited in claim 12 wherein said one-time-

2 programmable nonvolatile memory further includes a system area and a data area.

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1 Claim 14 (original): A digital equipment system as recited in claim 13 wherein said controller

2 device for identifying a start-of-file location and an end-of-file location and a defective sector

3 location within the one-time-programmable nonvolatile memory, the latter of which is skipped

4 over when writing sectors.

1 Claim 15 (original): A digital equipment system as recited in claim 14 wherein the information

2 that was to be written to the defective sector is instead written to the spare area location.

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1   Claim 16 (original): A digital equipment system as recited in claim 12 wherein said controller

2   for determining if there is no start-of-file identifier at a location following a corrupted sector or

3   there is no end-of-file in the rest of the one-time-programmable nonvolatile memory, such

4   location identified as a corrupted sector due to power failure and designated accordingly so as to

5   prevent future storage of information therein.

1   Claim 17 (original): A digital equipment system comprising:

2   a. a host for sending commands to read or write files, said host being operative to receive

3   responses to said commands;

4   b. a controller device responsive to said commands, and including,

5   one-time-programmable nonvolatile memory for storing files and identifying the

6   start-of-file and end-of-file for a file being stored within the one-time-programmable

.7   memory, wherein during power-up, said controller device for identifying the end-of-file of a

8   stored file, the location following the location in which the end-of-file resides being

9   identified as the location for the start-of-file of a new file to be stored.

1   Claim 18 (currently amended): A digital equipment system comprising:

2   a. a host for sending commands to read or write files having sectors of information, said

3   host being operative to receive responses to said commands;

4   b. a controller device responsive to said commands, and including,

5   one-time-programmable nonvolatile memory having spare locations for storing

6   sector information, said one-time-programmable nonvolatile memory for storing information

7   organized into sectors based on commands received from the host and upon receiving a

8   command from the host to re-write or update a sector, the controller device for writing <u>only</u>

9   the updated sector to a spare location.

1   Claim 19 (original): A digital equipment system comprising:

2   a. a host for sending commands to read or write files having sectors of information, each

3   sector having associated therewith an error correction code (ECC) indicative of the

4   corruption of sector information, said host being operative to receive responses to said

5   commands;

6   b. a controller device responsive to said commands, and including,

7   one-time-programmable nonvolatile memory for storing information organized into

8   sectors, wherein said controller checks the ECC of a particular sector for a determination of

9   whether or not the particular sector is corrupted and if so, reads the information stored within

10 the next sector and determines if the next sector information is in a non-programmable state

11 and if so or the ECC associated with the next sector indicates that the next sector information

12 is corrupt, the controller device identifies an end-of-file.

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